5th & Final 000008/22-23

SDR No : 10/8/2022

Original/Duplicate/Triplicate
CONTRACT CERTIFICATE
(For Other Works)

BR No : 000008/22-22

Date : 10/8/2022

No. Date :

Date:

Division: Electrical (DASARAHALLY) **job No** 015-20-000017 Sub- Division:

Head of Account :P 0300 M&R to Street lights - Replacement of Burnt bulbs etc

Bill Received No.....Dated.....Cash Book Voucher No.....dated.....

Scheduled Docket Name of Work (as per sanctioned estimate) Annual maintenance of street lights Package - D 4 Ward No 15 T Dasarahalli.

BILL Period:- 01-01-2022 to 31-03-2022 (3 month)

Contractor and Full Address:-M/s Manjunatha Electricals

Work Order No:- EE/(Elec)/DZ/TEND/WO/000007/2020-21 Dated :13-01-2021

Reference to Agreement OA Date 16.02.2022

Certified that the measurements were taken by me on 04/5/2022 and recorded of pages 340134 to 0134 of Measurement Book No 340211 and that the work is satisfactorily executed.

For SRI MANJUNATHA ELECTRICALS

Contractor

Office JUNIOR ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

Certified that the measurements were taken by me on 5/5/2022 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in columns 3 of Account II have been actually brought to Site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in the connection with item for finished work have been agreed upon. And normal agreement signed and executed by the contractor is recorded in the office.

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone

Subdivision Officer

II Memorandum of Payment

21) Total value of work done or supplies as per account within	Previous bill	749832.51=00
22) Deduct amount to be held in reserve being ..... percent Rs.....		749814.32=00
23) " Balance	Present bill	224018=00
24) Deduct payment :		
i) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D.No..... Amount adjusted towards cash advance recovery of	IT	2240=00
	CGST	2000=00
	SGST	2000=00
	LWC	224=00
	CBF	224=00
	Fine	510=00
	Scrap	4480=00
j) Payments cost store or other material supplied. Now made recovery amount creditable to this/ other work Amount paid on this bill cheque/cash	Total Ded	18284=00
25) Balance being unpaid value of work done held in reserve	Chq.amt	205734=00
6) Deduct cash advance made on the Office Cash Book Voucher No..... dated.....less adjustments		
7) Net amount due to or from contractor		
Unadjusted items		
8) Advance to contractor for materials brought to site (as detailed) within Value of Government materials supplied		

Contractors Signature

Received Rs.....(in words)

.....

by cash and adjustment as per memorandum

For SRI MANJUNATHA ELECTRICALS

Witnesses :

1.

2.

Dated .....Signature of contractor

Paid by me by cheque No.....Dated.....

Cash Rs.....Dated.....

Initials of Officer making payment

Amount admitted for Rs. 224018=00 205734=00

(For use in the office)

Passed by Cheque for Rs. (Two lakh five thousand seven hundred and thirty four Rupees only)

by adjustment Rs. 18284=00

Executive Engineer (Ele)

Accounts Superintendent Exe. Engineer (Ele)

B.B.M.P. Dasarahalli Division

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Sl. No.	Description of Item	Unit	Previous Measurement		Present Measurement			Total Upto Date		Remarks
			Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
	Name of work:-Operation and maintenance of street lights Package - D 4 Ward No 15 T Dasarahalli		Previously paid so for	Months		3 Months		Upto Date paid so for 14 Months 16 Days		
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Igniters, Capacitors, Switches , wires, Holders, Starter and switching ON/OFF of street lights at specified timing and Pole numbering Preparing ward wise , street wise data bank furnishing maintenance reports every day etc, complete so as to ensure efficient burning of street lighting system as detailed below Poles with 36/40 W fluorescent tube light street lighting system	Each	201 x 11 Months 16 Days	80645	201	34 84	21008 52	201 x 14 Months 16 Days	101653 23	
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Igniters, Capacitors, Switches , wires, Holders, Starter and switching ON/OFF of street lights at specified timing and Pole numbering Preparing ward wise , street wise data bank furnishing maintenance reports every day etc, complete so as to ensure efficient burning of street lighting system as detailed below Poles with 250W HPMH light street lighting system	Each	1097 x 11 Months 16 Days	654644 75	1097	51 82	170539 62	1097 x 14 Months 16 Days	825184 37	
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Igniters, Capacitors, Switches , wires, Holders, Starter and switching ON/OFF of street lights at specified timing and Pole numbering Preparing ward wise , street wise data bank furnishing maintenance reports every day etc, complete so as to ensure efficient burning of street lighting system as detailed below Poles with 400 watts HPSV light street lighting system	Each	36 x 11 Months 16 Days	23560 35	36	56 83	6137 64	36 x 14 Months 16 Days	29697 99	
4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Igniters, Capacitors, Switches , wires, Holders, Starter and switching ON/OFF of street lights at specified timing and Pole numbering Preparing ward wise , street wise data bank furnishing maintenance reports every day etc, complete so as to ensure efficient burning of street lighting system as detailed below Poles with 24 W LED light street lighting system	Each	x 11 Months 16 Days	515 11	1	44 73	134 19	1 x 14 Months 16 Days	649 30	
5	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Igniters, Capacitors, Switches , wires, Holders, Starter and switching ON/OFF of street lights at specified timing and Pole numbering Preparing ward wise , street wise data bank furnishing maintenance reports every day etc, complete so as to ensure efficient burning of street lighting system as detailed below Poles with 65 W LED light street lighting system	Each	97 x 11 Months 16 Days	65146 47	97	58 32	16971 12	97 x 14 Months 16 Days	82117 59	
6	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Igniters, Capacitors, Switches , wires, Holders, Starter and switching ON/OFF of street lights at specified timing and Pole numbering Preparing ward wise , street wise data bank furnishing maintenance reports every day etc, complete so as to ensure efficient burning of street lighting system as detailed below Poles with 90 W LED light street lighting system	Each	0 x 11 Months 16 Days	8064 65	10	70 03	2100 90	10 x 14 Months 16 Days	10165 55	
7	Operation and maintenance of Manual and Automatic Timer Switching circuits including replacement of electrical gadgets, such as MCB's Contactors, Timer, Cut-outs, wiring connector and M S Box with proper insulation etc , complete		5 x 11 Months 16 Days	27355 11	15	158 36	7126 20	15 x 14 Months 16 Days	34481 31	
8	B Work to be carried ut as per requirment & actuals and as per the directions of the in charge engineer Painting of existing Street lighting pole after scraping the old paint and painted with suitable colour enamel/silver paint including copingflooting of the pole a) Upto 8 Mtrs light pole	Each	0	0 00	0	469 70	0 00	0	0 00	
9	Moulded Case Circuit Breaker (MCCB) three pole 100Amps 25kA		28	46423 44	0	1657 98	0 00	28	46423 44	
10	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop- Out terminals for 10 Sqmm / 25 Sqmm 3 5 C Al/Ar / Cu/ Ar Cable and branch out 2 5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets 200mmx200mmx98mm		28	33829 38	0	1252 94	0 00	28	33829 38	

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11	Thinstor based single/ Three phase smart street light control and monitoring system Remotely control and and monitorable smart street light system by using web or mobile application smart control system has hardware ruggedness over field issues like line cross, line short, lighting and any other irregularities in voltage It has some features like 1 Remote lighting management 2 Precise lighting turnoff 3 Load ballancing 4 Load power regulation 5 Status tracking It works on the basis of some of these features 1) Main Control Unit(Mother board) Handles controlling data handling and other communication process 2) Communication unit GSM/GPRS quad bandwith RS232 interface wireless communication unit 3) Gate Driver Unit Firing angle controllable board for driving the thynstor 4) Switching Thyristor SCR 110 AMPS dual thynstor modules for switching 5) Embedded Firmware Firmware to control , handle , process the data and communicate it wirelessly 6) Metal Enclosure : IP66 weather prof metal enclosure 7) Transformers Customized step down transformers for various purposes 8) Wiring and other device assembly components								
	TOTAL	0	0 00	0	31415 00	0 00	0	0 00	
	Add GST 12 % on item no 08 to 11		940183.98			224018.19		1164202.17	
	TOTAL Rs		9630 34			0 00		9630 34	
	Fine imposed for non burning of street lights For the penod of 01/01/2022 to 31/03/2022		949814.32			224018.19		1173832.51	
	As per street light agreement clause 2 % will be deducted in monthly maintenance bill against the released scrap matenal		-39300 00			-5100 00		-44400 00	
	GRAND TOTAL		18803 68			4480 36		23284 04	
			891710.64			214437.83		1106148.46	

Certificate
The above said monthly maintenance work has been carried out satisfactorily

JUNIOR ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

ASST EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

Signature

Engineer (Ele)
halli Division

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